

IN THE ABSTRACT:

Please amend the abstract as shown below, in which deleted terms are shown with strikethrough and added terms are shown with underscoring.

ABSTRACT

~~{Problems}— The face of a document is to be efficiently illuminated by conversely utilizing the characteristic of the compound parabolic concentrator (CPC) to convert scattered lights extending over a full angle from a limited area into radiant lights confined to a prescribed emission angle and thereby minimizing the expansion of lights.~~

~~{Means for Solving Problems}—~~ In a A light guide ~~10 which~~ emits lights incident ~~[[from]]~~ on an end face from an emitting face ~~[[4]]-disposed along the longitudinal direction~~ extending longitudinally of the guide, while having the lights reflected by its internal face~~[[, its]]~~ . A sectional shape of the guide in a direction orthogonal to the longitudinal direction of this light guide has two opposite parabolas ~~2 and 3~~, a line segment connecting the focal points ~~a and b~~ of the two opposite parabolas ~~2 and 3~~, and a line segment (bottom face) ~~[[1]]~~ corresponding to the emitting face ~~[[4]]~~. A scattering pattern consisting of white ink is formed on the line segment (bottom face) ~~[[1]]~~ connecting the focal points ~~a and b~~. With this guide, the face of a document is to be efficiently illuminated by conversely utilizing the characteristic of the compound parabolic concentrator (CPC) to convert scattered lights extending over a full angle from a limited area into radiant lights confined to a prescribed emission angle and thereby minimizing the expansion of lights.